

## Corrected sequence listing 11-07 SEQUENCE LISTING

<110> Consortium fuer elektrochemische Industrie GmbH <120> Feedback-resistant Homoserine-Transsuccinylases <130> CO-P####### <140> 10530843 <141> 2007-11-14 <160> 12 <170> PatentIn Ver. 2.0 <210> 1 <211> 930 <212> DNA <213> Escherichia coli <220> <221> CDS <222> (1)..(930) <300> <301> Blattner, F. R. <302> The complete genome sequence of Escherichia coli K-12. <303> Science <304> 277 <305> 5331 <306> 1453-1474 <307> 1997 <400> 1 atg ccg att cgt gtg ccg gac gag cta ccc gcc gtc aat ttc ttg cgt Met Pro Ile Arg Val Pro Asp Glu Leu Pro Ala Val Asn Phe Leu Arg gaa gaa aac gtc ttt gtg atg aca act tct cgt gcg tct ggt cag gaa 96 Ğlu Ğlu Asn Val Phe Val Met Thr Thr Ser Arg Ala Ser Ğly Gln Ğlu 20 144 att cgt cca ctt aag gtt ctg atc ctt aac ctg atg ccg aag aag att Ile Arg Pro Leu Lys Val Leu Ile Leu Asn Leu Met Pro Lys Lys Ile 40 192 gaa act gaa aat cag ttt ctg cgc ctg ctt tca aac tca cct ttg cag Ğlu Thr Ğlu Asn Glň Phe Leū Arg Leū Leu Ser Asn Ser Pro Leū Gln gtc gat att cag ctg ttg cgc atc gat tcc cgt gaa tcg cgc aac acg Val Asp Ile Gln Leu Leu Arg Ile Asp Ser Arg Glu Ser Arg Asn Thr 65 70 75 80 240 ccc gca gag cat ctg aac aac ttc tac tgt aac ttt gaa gat att cag 288 Pro Ala Glu His Leu Asn Asn Phe Tyr Cys Asn Phe Glu Asp Ile Gln 85 gat cag aac ttt gac ggt ttg att gta act ggt gcg ccg ctg ggc ctg Asp Gln Asn Phe Asp Gly Leu Ile Val Thr Gly Ala Pro Leu Gly Leu 336 110 100 105

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gtg Val	gag Glu	ttt Phe 115	aat Asn	gat Asp	gtc Val	gct Ala	tac Tyr 120	tgg Trp	ccg Pro	cag Gln	atc Ile	aaa Lys 125	cag Gln	gtg Val	ctg Leu	384
gag Glu	tgg Trp 130	tcg Ser	aaa Lys	gat Asp	cac His	gtc Val 135	acc Thr	tcg Ser	acg Thr	ctg Leu	ttt Phe 140	gtc Val	tgc Cys	tgg Trp	gcg Ala	432
gta Val 145	cag Gln	gcc Ala	gcg Ala	ctc Leu	aat Asn 150	atc Ile	ctc Leu	tac Tyr	ggc Gly	att Ile 155	cct Pro	aag Lys	caa Gln	act Thr	cgc Arg 160	480
acc Thr	gaa Glu	aaa Lys	ctc Leu	tct Ser 165	ggc Gly	gtt Val	tac Tyr	gag Glu	cat His 170	cat His	att Ile	ctc Leu	cat His	cct Pro 175	cat His	528
				cgt Arg												576
cgc Arg	tat Tyr	gct Ala 195	gac Asp	ttt Phe	ccg Pro	gca Ala	gcg Ala 200	ttg Leu	att Ile	cgt Arg	gat Asp	tac Tyr 205	acc Thr	gat Asp	ctg Leu	624
gaa Glu	att Ile 210	ctg Leu	gca Ala	gag Glu	acg Thr	gaa Glu 215	gaa Glu	ggg Gly	gat Asp	gca Ala	tat Tyr 220	ctg Leu	ttt Phe	gcc Ala	agt Ser	672
aaa Lys 225	gat Asp	aag Lys	cgc Arg	att Ile	gcc Ala 230	ttt Phe	gtg Val	acg Thr	ggc Gly	cat His 235	ccc Pro	gaa Glu	tat Tyr	gat Asp	gcg Ala 240	720
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ctc Leu	aac Asn 290	tat Tyr	tac Tyr	gtc Val	tac Tyr	cag Gln 295	atc Ile	acg Thr	cca Pro	tac Tyr	gat Asp 300	cta Leu	cgg Arg	cac His	atg Met	912
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Met Pro Ile Arg Val Pro Asp Glu Leu Pro Ala Val Asn Phe Leu Arg 1 5 10 15

<sup>&</sup>lt;210> 2 <211> 309 <212> PRT <213> Escherichia coli

Corrected sequence listing 11-07 Glu Glu Asn Val Phe Val Met Thr Thr Ser Arg Ala Ser Gly Gln Glu 20 25 30 Ile Arg Pro Leu Lys Val Leu Ile Leu Asn Leu Met Pro Lys Lys Ile 35 40 45 Glu Thr Glu Asn Gln Phe Leu Arg Leu Leu Ser Asn Ser Pro Leu Gln 50 60 Val Asp Ile Gln Leu Leu Arg Ile Asp Ser Arg Glu Ser Arg Asn Thr 65 70 75 80 Pro Ala Glu His Leu Asn Asn Phe Tyr Cys Asn Phe Glu Asp Ile Gln 85 90 95 Asp Gln Asn Phe Asp Gly Leu Ile Val Thr Gly Ala Pro Leu Gly Leu 100 105 110 Val Glu Phe Asn Asp Val Ala Tyr Trp Pro Gln Ile Lys Gln Val Leu 115 120 125 Glu Trp Ser Lys Asp His Val Thr Ser Thr Leu Phe Val Cys Trp Ala 130 135 140 Val Gln Ala Ala Leu Asn Ile Leu Tyr Gly Ile Pro Lys Gln Thr Arg 145 150 155 160 Thr Glu Lys Leu Ser Gly Val Tyr Glu His His Ile Leu His Pro His Ala Leu Leu Thr Arg Gly Phe Asp Asp Ser Phe Leu Ala Pro His Ser 180 185 190 Arg Tyr Ala Asp Phe Pro Ala Ala Leu Ile Arg Asp Tyr Thr Asp Leu
195 200 205 Glu Ile Leu Ala Glu Thr Glu Glu Gly Asp Ala Tyr Leu Phe Ala Ser 210 215 220 Lys Asp Lys Arg Ile Ala Phe Val Thr Gly His Pro Glu Tyr Asp Ala 225 230 235 240 Gln Thr Leu Ala Gln Glu Phe Phe Arg Asp Val Glu Ala Gly Leu Asp 245 250 255 Pro Asp Val Pro Tyr Asn Tyr Phe Pro His Asn Asp Pro Gln Asn Thr 260 265 270 Pro Arg Ala Ser Trp Arg Ser His Gly Asn Leu Leu Phe Thr Asn Trp 275 280 285 Leu Asn Tyr Tyr Val Tyr Gln Ile Thr Pro Tyr Asp Leu Arg His Met 290 295 300 Asn Pro Thr Leu Asp 305

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